



An Informative Full-day Seminar:

# Guarding for Manufacturing

## 1 Who Should Attend . . .

This seminar is a must for anyone concerned about health and safety on the job including:

- ▶ Managers concerned about liability and workers' compensation costs.
- ▶ Employees who want to learn proper techniques for protecting their safety and health at work.
- ▶ Business owners who want to learn about compliance with Michigan Occupational Safety and Health Administration (MIOSHA).

## 2 Why You Need This Seminar . . .

- ▶ To reduce disabling injuries and illnesses to employees - and to ensure that every worker goes home safe and healthy every day.
- ▶ To reduce the high costs of work-related injuries. Nationally, employers spent an estimated 50.8 billion on wage payments and medical care for workers hurt on the job. (*Liberty Mutual Safety Index 2005*) This is only a portion of the total costs of work-related injuries. Indirect costs such as overtime, training and lost productivity can also burden employers.
- ▶ To enhance your company's bottom line. A strong safety and health commitment not only protects workers, it also reduces workers compensation costs, improves employee morale, and increases production and quality.

## 3 What You'll Learn . . .

This program identifies the basic types of machine safeguards. Discussion includes fixed barrier, interlocked, and adjustable guards, as well as, safety devices used in addition to or in place of guards. The pros and cons of devices such as two-hand controls, light curtains, laser scanners, safety mats, and radio frequency are discussed. Job Safety Analysis is emphasized as a tool to recognize the hazards presented by machines and to aid in the selection of appropriate safeguarding means. Selected MIOSHA Standards specifically addressing guards are covered as well as guard construction and application.

## Agenda

*We offer a flexible program agenda to emphasize the safety and health topics you want most.*

- ▶ MIOSHA Machine Guarding Requirements
- ▶ Job Safety Analysis (JSA)
- ▶ Lockout - Tagout
- ▶ Employee Training

All meetings are accessible and barrier free. Please contact the cosponsor or CET Division, at least two weeks in advance, to request necessary accommodations.

# Facilitator

Bob Carrier was appointed to the MIOSHA Consultation Education and Training Division in 1989 as a consultant specializing in general industry standards in the mid-Michigan area. Bob brings with him his previous experience as the Safety Administrator at Allied Signal Aerospace Company. His experience includes safety program development, safety training and workers' compensation administration. Bob recently chaired the Division Plastics Committee where updated training was developed for the industry.

A graduate of Ferris State University with a B.A. degree in Occupational Safety and Health, and a member of the American Society of Safety Engineers, Bob offers a diversified background in safety training and consultation services.



**Robert Carrier**  
*Occupational Safety Consultant,  
MIOSHA, CET Division*

## Program Details

DATE:	May 10, 2007	TIME:	Check-in - 8:30 a.m. Program - 9:00 a.m. to 3:00 p.m.
LOCATION:	Delta College Main Campus 1961 Delta Road University Center, Michigan 48710	DEADLINE:	Register by April 27, 2007 Please register early!
COST:	\$60 per person. Includes lunch and course materials.	CONTACT:	Mike Rickey 989-758-3635 mrickey@corpserv.delta.edu

### **COSPONSOR: Delta College**

If this valuable seminar doesn't fit with your schedule or position, please pass this flyer on to a colleague.

## How to Register

Guarding for Manufacturing

Complete information at right to register by:

► **Phone:** 989-758-3635  
► **Fax:** 989-758-3639  
► **Web:** [www.delta.edu/wdc](http://www.delta.edu/wdc)  
► **Mail:** Delta College  
1961 Delta Road  
University Center, MI 48710  
Attn: Mike Rickey

Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_  
Number Attending: \_\_\_\_\_ @ \$60 each = \$ \_\_\_\_\_

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